

Quantum Electrodynamics, by A. Akhiezer.

RUSSTAN, bk, Kvantovaniya elektrodinamika, Moscow,
1959, pp. 1-656

* Interscience Publishers

Table of Contents and Introduction of
"Quantum Electrodynamics" by A. I. Akhiezer,
V. B. Berestetskiy, 22 pp.

RUSSIAN, bk, Kvantovaya Elektrodinamika,
publ by State Publishing House of Technical-
Theoretical Literature, Moscow, 1953.

CIA/FDD/X-1822

Scientific - Physics
dex only

26, 811

Quantum Electrodynamics, by A. I. Akhiezer,
V. G. Berestetskii, 549 pp.

RUSSIAN, bk, Kvantovaya Elektrodinamika, Moscow,
1953.

ABC Tr 2876

Sci - Physics
Aug 57

51,829

Elements of Quantum Electrodynamics, by A. I.
Akhiezer and V. B. Berestetskiy, 301 p.
RUSSIAN, mono, Kvantovaya Elektrodinamika, Chap
1-4, 7, 1959.
IPST-813

Sci-Phys
Jul 66

304,485

63-22695

Sokolov, A. A. [Lozhkov, Yu. M. and others].
QUANTUM MECHANICS. 1963, 700p.
Order from Scripta Technica, Inc., 1000 Vermont
Ave., N. W., Washington, 5, D. C.

Trans. of mono. [Kvantovaya Mekhanika, Moscow,
1962, 590p].

DESCRIPTORS: *Quantum mechanics, Nuclei, *Ele-
mentary particles, *Field theory, *Relativity theory,
Spin.

(Physics--Theoretical, TT, v. 10, no. 12)

I. Sokolov, A. A.
II. Lozhkov, Yu. M.
III. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Quantum-Electronic Theory of Amorphous Conductors,
by A. I. Gubanov. 295 pp;
RUSSIAN, bk, Kvantovo-elektronnaya Teoriya
Amorfnykh Provodnikov, 1963, pp 1-250.
~~AIR/FID/IL-24-250-69~~

MT-24-250-69

sci/physics
~~sci-70~~ apr 70

404,534

Quantum Mechanics, by L. D. Landau, E. M. Lifshitz.

RUSSIAN, bk, ~~Kvantum Mekh~~,

Pergamon Press Ltd.
4 & 5 Fitzroy Square
London, W. 1.
80s.0d

Apr 59

Quasi-Classical Model of Triple Fission,
by B. F. Geylikman, G. I. Khlebnikov, 11 pp.
RUSSIAN, rpt, Kvasiklassicheskaya Model' Troynogo
Deleniya, Moscow, 1964, pp 3-9. 9226146
AEC-ANL-Tr-68

Sci-Nucl Sci
Jan 65

270,598

TRI-62-52

The Quasi-Linear Theory of Plasma Oscillations,
by A. A. Vedenov, E. P. Velikhov, et al.

RUSSIAN, rpt, Kvazilineinaya Teoriya Ostsillyatsii
Plazmy,

*JPRS for AEC

Sci
Oct 61

Quasi-Averages in Problems of Statistical
Mechanics, by N. N. Bogolyubov, 59 pp.
RUSSIAN, bk, Kvazizredniye v Zadachakh
Statisticheskoy Mekhaniki, 1961, 123 pp.

ACSI 1-6186

ID 2204055764

TT-64-23510

Sci - Math
Apr 65

277,874

The Problem of Aid to Underdeveloped Countries,
by R. G. Iskandarov, 70 pp.

RUSSIAN, bk, K Voprosu o Pomoshchi (Soborsvitya
Stranam, Moscow, 1960, pp 2-64.

JPRS 16141.

USSR
Econ
Nov 62

217, 375

Cooling Efficiency of the Perforated Flame Tube
of a Gas Turbine Combustion Chamber, by
V. A. Khristich & A. M. Shevchenko.
RUSSIAN, rpt, L Vestn. Kiyevsk. politekhn. in-ta.
Ser. teploenerg., No 1, 1964, pp 50-57.
*PTD-MT-24-92-68

Sci/Mech Engr
Apr 68

Work Protection and Safety Measures, by I.A. Rokhlina,
7 pp.

RUSSIAN, Laborant i Pomoshchnik Laboranta Neft
Zavoda, 1952, pp 140-149.

AF 601859

USSR
Economic-Industrial Protection

Fcb 54/CTS 6497

Transportation, Storage, Preparation, Testing of
Petroleum, 5 pp.

RUSSIAN, bk, Laborant*1*Pomoshchnik Laboranta
Neftepererabatyvayushchego Zavoda.

AF 601843

USER
Economic - Petroleum

Jan 54 CTB/DEX

CIA 211117

8608

LaboratorNoye Delo (in file as
Laborator Delo)

Laboratorii Dlya (in file as
Laborator Dlya)

New Method for the Quick Quantitative
Determination of Thiamine in Aqueous
Solutions, by Yu. M. Ostrovskiy, 4 p.

RUSSIAN, per, Lab Delo, 1956, Vol II, No 2,
pp 9-12.

SIA 59-15384

Sci
Dec 59
Vol 2, No 6

104,130

Quantitative Determination Method of the True
Vitamin B₁₂ by Bio-Autography, by T. P.
Verkhovtseva, E. I. Surikova, 5 p.

RUSSIAN, per, Lab Delo , 1957, Vol III, No 2,
pp 24-26.

SLA 59-15892

Sci
Dec 59
Vol 2, No 6

104, 231

Use of a Stereoscopic Microscope for Bacterial
Examination, by V. V. Vlodavets, 2 pp.

RUSSIAN, per, Laboratornoye Delo, No 1, 1958,
pp 45, 46.

*ACSI I-1368
ID 2198519

Sci - Med

14 May 62

Rapid Method for the Determination of Nitrogen Oxides in the Air, by L. A. Mokhov, V. S. Khalturin.

RUSSIAN, per, Lab Delo, Vol IV, No 2, 1958, pp 26-27.

Sci-Chem
Dec 63

ATS RT-4080

244,882

Quantitative Determination of Amino Acids on Chromato-
grams by Means of the Formation of Copper Derivatives
With Ninhydrin, by G. N. Zaitseva, N. P. Tyuleneva,
7 pp.

RUSSIAN, per, Lab Delo, Vol XIII, No 3, 1958,
pp 24-30.

~~SECRET~~
ATS 50129R

ATS-RJ-1988

103,609

Sci
Dec 59
Vol 2, No 5

Malakhov, Yu. A.
THE RELATION OF THE SACCAROLYTIC PROPERTIES OF LISTERIA TO THE pH OF THE MEDIUM.
[1961] 3p. [CWL] Trans. 31; Misc Tr 444.
Order from OTS or SLA \$1.10

61-19718

Trans. of Laboratornoye Delo' (USSR) 1958 [v. 4]
no. 3, p. 44-46.

DESCRIPTORS: *Listeria, *Hydrogen ion concentration,
Physiology.

(Biological Sciences--Microbiology, TT, v. 6, no. 8)

61-19718

- I. Malakhov, Yu. A.
- II. CWL Trans-31
- III. CWL Misc Tr-444
- IV. Army Chemical Corps,
Fort Detrick, Md.

195166

Office of Technical Services

61-12601

Mokhov, L. A., Udalov, Yu. P., and Khalturin,
V. S.

QUANTITATIVE DETERMINATION OF NITRITES
AND OXIDES OF NITROGEN IN PUBLIC HEALTH
PRACTICE, tr. by E. R. Hope. Sep 60, 2p. 2 refs.
Directorate of Scientific Information Services T 341 R.
Order from NRCC m\$0.50, ph\$1.50 NRCC C-3474

Trans. of Laboratornoye Delo (USSR) 1959, v. 5,
no. 2, p. 43-46.

1. Nitrogen oxides--
Determination

2. Nitrites--Determination

3. Public health

I. Mokhov, L. A.

II. Udalov, Yu. P.

III. Khalturin, V. S.

IV. DSIS-T-341-R-9043754

V. NRCC C-3474

VI. Directorate of Scientific
Information Services
(Canada)

Office of Technical Services

(Engineering--Sanitation, TT, v. 5, no. 8)

Method for Bacteriological Investigation of the
Upper Layers of the Atmosphere, by Ya. G. Kishko.

RUSSIAN, per, Lab Delo, Vol V, No 5, 1959, PP
37439. 9072203.

USDA

Sci - Biol

Oct 60

129,841

Trans. V-1607

9072200

MASLOV, A. I.
Prilozheniye k opredeleniyu razmerov
chastits aerosolei
[Simple method of determining the dimen-
sions of aerosol particles]
Laboratornoye Delo, 5(5):42. Sept./Oct.,
1959. (Not in DA)

(In Russian)

Quantitative Determination of Nitrites and
Oxides of Nitrogen in Public Health Practice,
by L. A. Mokhvo, Yu. P. Udalov.
RUSSIAN, per, Laboratornoye Delo, Vol 5, No 2,
1959, pp 45-46.
IEB Canada
T 341 R

Nov 69

396,771

Development of Sanitary and Bacteriological
Laboratories in Moscow Province for Forty Years,
by V. A. Bashenin, E. V. Shestakova,

RUSSIAN, per, ~~Laboratornoye Delo~~, Vol V, No 6, Nov/
Dec 1959, p 55-.

*USDA

Sci - Med
Sep 60

List 32

S-134/60

(NY-3546).

Medium for Detecting Toxic Strains of Cl.
Perfringens Type A, B, C, D, E, by E. D. Bichenko.
5 pp.

RUSSIAN, per, Laboratornoye Delo, No 1, 1960,
pp 40-43.

JPRS 2558

115,347

Sci - Biology
May 60

Trans. V-1659

3075533

SHAPOSHNIKOV, E. A.
Preimenenie apparata Yu. A. Krotova dlya
bakteriologicheskogo issledovaniya vozdukh
na gorodskom transporte
[Use of Yu. A. Krotov's apparatus for
bacteriological analysis of the air in
urban transportation conveyances]
Laboratornoe Delo 6(2):53-54. Mar./Apr. 1960.
Not in DA Lib. SWA 61-19650

(In Russian) Kafedra Gig. (Zav. - Prof. F.S.
Okolov) Kubanskogo Meditsinskogo
Instituta

The Problem of Early Diagnosis of Cancer of the
Uterine Cervix, by N. V. Fedorova, 4 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 3,
May/Jun 1960, pp 4-6.

JPRS 3911

Sci - Med

Sep 60

126,091

Laznikova, T.N., Makarevich, V.G. and Trofimova, T.G.

DÉTERMINATION COLORIMÉTRIQUE DE LA CHLOROTÉTRACYCLINE DANS UN BOUILLON DE CULTURE TROUBLE (Colorimetric Determination of Chlortetracycline in Turbid Culture Liquids). 4p. 1ref.

CNRS-XXI 307

Order from OTS, ETC or CNRS \$1.10 TT-62-28906

Trans. in French of Laboratoire Delo (USSR) 1960, v.6, no.4, p.23-24.

DESCRIPTORS: *Chlortetracycline, Culture media, Actinomyces, Colorimetric analysis.

(Chemistry--Analytical, TT, v. 11, no. 7)

TT-62-28906

I. Laznikova, T.N.

II. Makarevich, V.G.

III. Trofimova, T.G.

IV. CNRS-XXI 307

V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

(NY 6209)
(NY 6209)

Brucella *Re...*
~~A Simplified Method of Isolating Brucella Hemo-~~
cultures, by O. P. Dushina, N. I. V. *et al.*

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 5,
1960, pp 5-7.

*JPRS

Sci - Med

1 Jun 61

~~SECRET~~

The Possibility of Using an Antigen From Khar'kov
Biofabrika for the Serodiagnosis of Brucellosis in
Humans, by N. I. Veden'yeva, Kh. B. Guz, Ya. L.
Svitsent,

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 5, 1960,
pp 6-7.

Sci - Med

29 May 61

~~SECRET~~

*BU/Special

(BF-1414)

The Methodology of Investigated Gas Metabolism in
the Inspiration of Large Concentrations of Oxygen,
by V. P. Demugliy, 4 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 5,
1960, pp 22-24.

JPRS 4381

Sci - Med

Feb 61

140,966

A New Device for Bacteriological Investigation of
the Air of High Altitudes, by Ye. G. Kishko, V. I.
Filippov.

RUSSEIAN, per, Lab Delo, No 5, 1960, pp 51-53.
CIA 9074564

USDA

Sci - Biology
Feb 61

138477

(NY-6116)

Rastinon and Its Effect on the Peripheral Blood,
by L. A. Golubeva, 4 pp.

RUSSIAN, per, Lab Delo, Vol VI, No 6, Nov/Dec 1960,
pp 3, 4.

JPRS 9160

151,238

Sci - Med

May 61

(NY-6116)

Concerning the Methods of Virological Study of the
Blood of Leucosis Patients, by G. A. Piskunova,
A. S. Shubin, V. N. Kolaykova, 11 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 6,
Nov/Dec 1960, pp 12-18.

JPRS 9161

Sci - Med

May 61

154,442

Selective Medium for the Isolation of Streptococcus
Viridans From the Air, by L. S. Sarochinskaya.

RUSSIAN, per, Lab Delo, Vol VI, No 6, 1960, pp 26, 27.

9075520

USDA

Sci + Medicine
Feb 61

140, 114

Culture Medium for the Cultivation of the Anthrax
Bacillus in Capsule Form, by A. V. Mashkov.

RUSSIAN, per, Lab Delo, Vol VI, No 6, 1960, pp 27-29.
CIA 9075521

Sci - Medicine
Apr 61

USDA

543518
143,452

143,452

Electrocryoscopy With a Thermistor (Semi Micro Method).

RUSSIAN, per, Laboratoronoye Delo, Attachment to
NA Beirut 170-62 (IR 5157998), Moscow, 1961.

Navy Trans 3316/ONI 929

Sci - Electron
Morgx Mar 63

224,754

S-136/61

(SF-1628).

Histochemical Cytodiagnosis of Cancer of the Uterine
Cervix, by A. V. Khokhlov, Ye. F. Opaleva, *2 pp.*

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 2, 1961,
pp 10-11.

**JPRS 4573*

Sci - Med

13 Mar 61

S-136/61

(SF-1628).

Luminescent Microscopy in the Cytodiagnosis of
Cancer of the Uterine Cervix, by A. V. Khokhlov,
Ye. F. Opaleva, *et al.*

RUSSIAN, per Laboratornoye Delo, Vol VII, No 2, 1961,
p. 12.

JPRS 4572

Sci - Med

13 Mar 61

(NY-6290)

An Experiment in Obtaining Cultures From a Single
Bacterial Cell, by P. I. Yemel'yanov, 6 pp.

RUSSIAN, per, Laboratornoye Delo, No 3, 1961,
pp 29-31.

JPRS 9315

Sci - Biol

155,084

Jun 61

S-225/61

(NY 250).

The Methodology of the Study of Air Microflora With
the Aid of Filtering Materials, by Ya. G. Kishko,

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 3,
1961, pp 37-38.

*JPRS

Sci - Med

4 May 61

(NY-6890)

A New BX Instrument for Bacteriological Investigation of Air at Negative Temperatures, by V. S. Kiktenko, N. I. Kashanova, S. I. Kadryavtsev, N. I. Pushchin, 5 pp.

RUSSIAN, per, Laboratornoye Delo, No 3, 1961, pp 38-40.

JPRS 9316

155,479

Sci - Biol
Jun 61

S-225/61

(NY-6350).

The Observation of Influenza Virus in the Air,
by K. S. Richatova,

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 3,
1961, pp 40-42.

*JPRS 7-46

Sci - Med

4 May 61

S-225/61

(NY-6350).

Bacterial Contamination in a Motion Picture Theater,
by V. P. Yelfimov, V. K. Mayveyuk,

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 3,
1961, pp 42-43.

6 JPRS

Sci - Med

4 May 61.

(SF-1952)

Concerning the Preservation of the Phenol-Resistance
of Coli Cultures and Staphylococci Used in Control of
Disinfectants, by B. L. Skura-Burnand, M. A.
Zolotarevskiy, 5 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 6, 1961,
pp 41-44.

JPRS 10413

174, 026

Sci - Med

(DC-6614)

Method of Artificially Infecting Ixodes Ticks
With Toxoplasma, by S. F. Shiman'skiy,
N. F. Gerasimova, 5 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VII,
No 6, 1961, pp 49-50.

JPRS 13091
4.

Sci - Med
Apr 62

190,616

(NY-6800)

An Apparatus for the Automatic Counting
of Bacterial Aerodol & Particles, by
V. S. Kiktenko, Yu. P. Safronov,
S. I. Kudryavtsev, R. I. El'man,
B. F. Fyedorov, et al, 6 pp.

RUSSIAN, par, Laboratornoye Delo,
Vol VII, No 10, 1961, 176-177

JPRS 11238

176, 215

Sci - Chem
Dec 61

(HY-7117)

Dry Medium for Diagnosis of Alimentary
Intoxications Due to Clostridium Botulinum
and Clostridium Parfringens, by L. G.
Ivanova, T. I. Sergeyeva, 11 pp.

RUSSIAN, per, Lab Delo, No 4, 1962,
pp 33-36.

JPRS 14033

Sci - Chem
Jan 62

199.320

Fluorimeter Determination of Thiamine, Riboflavin, 4-Pyridoxic Acid and N(1)-Methylnicotinamide in Urine, by P. D. Starshov, 12 pp.

RUSSIAN, per, Laboratoire Dele, Vol VIII, No 6, 1962, pp 37-42.
CSIR-tr-538

Sci-Chem
Jun 67

327,049

63-19382

Senenko, A. N.
DETERMINATION OF THE OSMOTIC RESISTANCE
OF THE LEUKOCYTES. [1963] [12]p. 11 refs.
FASEB manuscript no. S 208-2.
Order from OTS or SLA \$1.60 63-19382

Trans. of Laboratornoe Dalu (USSR) 1962 [v. 8]
no. 7, p. 9-14.

DESCRIPTORS: *Osmotic pressure, *Leukocytes,
Blood, Cells (Biology), Determination, Diseases,
Spleen, Physical properties, Biochemistry, Solutions,
Permeability.

Determination of the osmotic resistance of the
leukocytes is an additional method of investigation
giving evidence of changes in their physico-chemical
properties. When the osmotic resistance of the
leukocytes to a 0.2% solution of sodium chloride was
(Biological Sciences - Pathology, TT, v. 10, no. 2)
(over)

- I. Senenko, A. N.
- II. FASEB S-208-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D.C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Dantsig, I. I. and Kantorovich, A. S.

A TURBIDIMETRIC MODIFICATION OF THE ESTIMATION OF FIBRINOGEN USING A PHOTOELECTRIC COLORIMETER. [1963] [6]p. 7 refs. FASEB manuscript no. S 211-2.

Order from OTS or SLA \$1.10

63-19383

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 7, p. 22-24.

DESCRIPTORS: *Fibrinogen, *Blood proteins, Quantitative analysis, Photoelectric effect, *Colorimetric analysis, Diseases.

(Biological Sciences--Biochemistry, TT, v. 10, no. 3)

63-19383

- I. Title: Turbidimetric analysis
- I. Dantsig, I. I.
- II. Kantorovich, A. S.
- III. FASEB S-211-2
- IV. Federation of American Societies for Experimental Biology, Washington, D.C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Gusev, S. I. and Sokolova, E. V.
VOLUMETRIC MICRODETERMINATION OF CHLO-
RIDES IN SUBSTANCES OF BIOLOGICAL ORIGIN.
[1963] [7]p. 5 refs. FASEB manuscript no. S 213-2.
Order from OTS or SLA \$1.10 63-19384

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 7,
p. 30-33.

DESCRIPTORS: *Volumetric analysis, *Microanalysis,
*Chlorides, Naphthalene, Amines, Pyridines, Chemi-
cal reactions, Synthesis, Lead compounds, Complex
compounds, Chemical indicators, *Urine, *Blood
serum, Rabbits.

A method of determination of chloride ions by means
of β -hydroxynaphthylal- α -aminopyridine is described.
The method is sufficiently rapid, and is no less ac-
curate than the argentometric method. (Author)
(Biological Sciences--Biochemistry, TT, v. 10, no. 5)

63-19384

- I. Gusev, S. I.
- II. Sokolova, E. V.
- III. FASEB S-213-2
- IV. Federation of American
Societies for Experimen-
tal Biology, Washington,
D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Raikher, I. I., Mirskova, V. N. and others.
FRACTIONATION OF IMMUNE SERA BY ELECTROPHORESIS ON STARCH PLATES. [1963] [8]p. 5 refs.
FASEB manuscript no. S-214-2.
Order from OTS or SLA \$1.10 63-23044

Trans. of Laboratoriy Delo (USSR) 1962, v. 8, no. 7, p. 36-39.

DESCRIPTORS: Separation, *Proteins, *Immune serums, *Electrophoresis, Starches.

A method for determining simultaneously several protein fractions present in immune sera is described. A potato starch solution mixed with a buffer solution is distributed over the bottom of a glass dish which is partitioned lengthwise by a glass rod. Two strips of filter paper are placed on the edge of the dish to make contact with the electrodes. A second layer of buffer (Biological Sciences--Biochemistry, TT, v. 10, no. 9) (over)

63-23044

- I. Raikher, I. I.
- II. Mirskova, V. N.
- III. FASEB S-214-2
- IV. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Sokolovskii, V. V.
DETERMINATION OF BLOOD SULPHYDRYL GROUPS
BY AMPEROMETRIC TITRATION. [1963] [11]p. 5 refs.
FASEB manuscript no. S 269-2.
Order from OTS or SLA \$1.60 63-23007

Trans. of ~~Laboratornoe Delo~~ (USSR) 1962, v. 8,
no. 8, p. 3-6.

DESCRIPTORS: *Blood chemistry, Diagnosis, Tests,
*Thiols, Titration.

The apparatus, chemicals employed, and the pro-
cedures used for determining the blood sulphydryl
groups by amperometric titration are described. It is
suggested that this procedure can be widely applied in
diagnosing specific pathology, or intoxications and in
ascertaining the effectiveness of specific therapy. This
method can be used in any regular biochemistry
laboratory.

63-23007

- I. Title: Amperometric titration
- I. Sokolovskii, V. V.
- II. FASEB S-269-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

(Biological Sciences--Pathology,
TT, v. 10, no. 9)

Office of Technical Services

S-608/63

Utilization of the EF-3 Fluorimeter for the
Quantitative Determination of the Adrenaline and
Noradrenaline, by A. S. Sharov, 4 pp.

RUSSIAN, per, Laboratornoye Delo, No 6 (6), 1962,
pp 53-55.

CIA/FDD X-5166

Sci - Biol & Med
Jul 63

235, 476

J-597/63

Instantaneous Method for Determining Blood Groups
and Rh-Factor in a Drop of Blood Taken From a Finger,
by Z. F. Vasil'yeva. (DC-8636)

RUSSIAN, per, Laboratornoye Delo, No 9, 1962, pp 5-9.

*JPRS 12-27

Sci - Med

May 63

Ustimenko, L. M.

THE CULTIVATION OF TREPONEMA PALLIDUM.
[1963] [14p] (figs omitted) 20 refs FASEB manuscript
no. S368-2.

Order from OTS, SLA, or ETC \$1.60 TT-63-23898
figs available on loan from OTS

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 9,
p. 15-19. (Abstract available)

DESCRIPTORS: *Treponema pallidum., *Culture media,
Anaerobiology, Spirochaetales.

It was found that the best media for cultivation of *T. pallidum* on the surface of solid medium are: 2% agar in Marten broth supplemented with 20% rabbit serum or 5-10% egg yolk. In order to create anaerobic conditions the method of N. P. Kalashnikova gives the best results. *T. pallidum* colonies on the surface of solid medium. (Biological Sciences--Microbiology, TT, v. 11, no. 6)
(over)

TT-63-23898

- I. Ustimenko, L. M.
- II. FASEB S-368-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

TT-64-13405

Mansurova, I. D.
MICROCHEMICAL INVESTIGATION OF CERTAIN
ENZYMES IN LIVER PUNCTURE SPECIMENS FROM
PATIENTS WITH EPIDEMIC HEPATITIS. [1963] [8p]
19 refs FASEB manuscript no. S370-2.
Order from OTS, SLA, or ETC \$1.10 TT-64-13405

Trans. of Laboratornoe Delo (USSR) 1962, v. 8,
no. 9, p. 26-29.

DESCRIPTORS: Microanalysis, *Enzymes, Liver,
*Diagnostic agents, *Hepatitis, *Biochemistry.

(Biological Sciences--Pathology, TT, v. 11, no. 5)

- I. Mansurova, I. D.
- II. FASEB-S-370-2
- III. Federation of American
Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-23850

- I. Tsukrova, F. M.
- II. FASEB S-373-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Tsukrova, F. M.

ELECTROPHORETIC STUDIES OF PROTEINS FROM
THE BLOOD SERUM OF DONORS IN DIFFERENT
AGE GROUPS. [1963] [8p] FASEB Manuscript no.
S 373-2.

Order from OTS or SLA \$1.10 63-23850

Trans. of Laboratornoe Delo (USSR) 1962, v. 8,
no. 9, p. 40-42.

DESCRIPTORS: *Electrophoresis, Proteins, Blood
serum, *Blood transfusions, *Aging (Physiology),
*Blood proteins.

(Biological Sciences--Physiology, TT, v. 10, no. 12)

Syudmak, N. V., Gultur, M. I., and Khudoshina, E. M.

TRILONOMETRIC DETERMINATION OF CALCIUM AND MAGNESIUM IN THE CSF AND OTHER BIOLOGICAL FLUIDS. [1963] [9p] 18refs FASEB Manuscript no.: S 376-2.

Order from OTS, SLA, or ETC \$1.10 TT-63-24518

Trans. of Laboratornoye Delo (USSR) 1962, v. 8, no. 9, p. 55-59. (Abstract available)

DESCRIPTORS: *Cerebrospinal fluid, Body fluids, Chemical analysis, Magnesium, Calcium, Diagnostic agents, Biological stains, Ion exchange, *Colorimetric analysis, *Chemical indicators, *Ethylenedinitrilo tetracetates,

The modified trilonometric method is suitable for use in the determination of the concentration of Ca and Mg in the CSF, blood serum and other biological fluids. (Biological Sciences--Pathology, TT, v. 11, no. 6)(over)

TT-63-24518

- I. Title: Trilon B
- I. Syudmak, N. V.
- II. Gultur, M. I.
- III. Khudoshina, E. M.
- IV. FASEB-S-376-2
- V. Federation of American Societies for Experimental Biology, Washington, D. C.
- VI. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Lentsner, A. and Yurgenson, M.
ACCELERATED METHODS FOR THE DETERMI-
NATION OF GELATINASE. [1963] [8p] (fig. omitted)
8refs FASEB Manuscript no. S 223-3.
Order from OTS, SLA or ETC \$1.10 TT-63-23828

Trans. of Laboratories Delo (USSR) 1962, v. 8,
no. 10, p. 37-39.

DESCRIPTORS: *Gelatin, Hydrolysis, Enzymes,
*Culture media, Microorganisms.

(Biological Sciences--Microbiology, TT, v. 11, no. 3)

TT-63-23828

- I. Lentsner, A.
- II. Yurgenson, M.
- III. FASEB S-223-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-23827

Litvinenko, S. N.

RAPID METHOD FOR BIOAUTOGRAPHIC DEVELOPMENT OF PAPER CHROMATOGRAMS IN WORK WITH ANTIBIOTICS. [1963] [6p] 3 refs FASEB Manuscript no. S 224-3.

Order from OTS or SLA \$1.10

63-23827

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 10, p. 49-51.

DESCRIPTORS: *Paper chromatography, Drugs, *Antibiotics, *Biological assay, Photographic recording media, Biological stains.

- I. Litvinenko, S. N.
- II. FASEB S-224-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

(Biological Sciences--Pharmacology, TT, v. 10, no. 12)

Office of Technical Services

Murchakova, A. F. and Mishchenko, A. S.
 THE STERNAL MARROW AND PERIPHERAL BLOOD
 PROTEINS OF HEALTHY PERSONS. [1963] [7p] 6 refs
 FASEB Manuscript no.: S 225-3.
 Order from OTS, SLA, or ETC \$1.10 TT-63-24484

Trans. of Laboratorae Delo (USSR) 1962, v. 8,
 no. 11, p. 15-17. (Abstract available)

DESCRIPTORS: *Bone marrow, *Blood proteins,
 Blood chemistry, *Globulins, Electrophoresis,

The total protein of the serum of the sternal marrow
 refractometrically exceeds the serum protein of the
 peripheral blood on the average by 0.4 g%. It was shown
 by paper electrophoresis that the albumin content in the
 sternal marrow is lower than in the blood, on the aver-
 age by 3.8%. The content of α - and γ -globulins in the
 sternal marrow, on the contrary, was greater than that
 in the blood by 1.8 and 1.4% respectively. The differ-
 (Biological Sciences--Physiology, TT, v. 11, no. 6)
 (over)

TT-63-24484

- I. Murchakova, A. F.
- II. Mishchenko, A. S.
- III. FASEB-S-225-3
- IV. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Voitnikova, S. A.

THE BETA-LIPOPROTEINS OF THE BLOOD SERUM
IN EXPERIMENTAL CHOLESTEROL ATHEROSCLE-
ROSIS IN RABBITS. [1963] [7p] 7 refs FASEB

Manuscript no.: S 226-3.

Order from OTS, SLA, or ETC \$1.10 TT-63-24485

Trans. of Laboratornye Delo (USSR) 1962, v. 8, no. 11,
p. 25-27.

DESCRIPTORS: *Lipoproteins, Blood serum, Choles-
terol, *Atherosclerosis, Blood chemistry.

The object of the investigation was to compare the value
of the turbidimetric method of determining β -lipopro-
teins when observing the degree of disturbance of the
lipid metabolism in rabbits with experimental athero-
sclerosis. (Author)

(Biological Sciences--Pathology, TT, v. 11, no. 5)

TT-63-24485

- I. Voitnikova, S. A.
- II. FASEB-S-226-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Burshtein, V. A.
LEUKOCYTIC ASYMMETRIES IN THE RECOVERY
AND RESIDUAL PERIODS OF POLIOMYELITIS.
(1963) [Sp] Zhurnal PRAVO MA no. 5689-3.
Order from GTS, SLA, or ETC \$1.10 TT-64-13879

Trans. of Laboratorno Delo (USSR) 1962, v. 6,
no. 12, p. 15-16.

DESCRIPTION: "Leukocytes, Morphology (Biology).
"Polioomyelitis."

(Biological Sciences: Pathology, TT, v. 11, no. 10)

TT-64-13879

- I. Burshtein, V. A.
- II. PASEB-S-689-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Shiryaeva, V. L. and Pchelina, O. I.
THE USE OF LYOPHILIZED SPORES OF B.
MYCOIDES FOR TESTING ANTIBIOTIC ACTIVITY
(Primenenie Liofilizirovannykh Spor v. Mycoidea dlya
Issledovaniya Aktivnosti Antibiotikov). [1964] [9p]
PASEB Ms no.: S690-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-15409
Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 12,
p. 29-31.

(Biological Sciences--Pathology. TT, v. 12, no. 3)

TT-64-15409

- I. Shiryaeva, V. L.
- II. Pchelina, O. I.
- III. PASEB-S-690-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Gol'dfarb, M. L., Gol'dfarb, D. M., Prozorovskii, S. V., and Sobolev, V. M.

AUTOMATIC RECORDING OF GROWTH AND REPRODUCTION PROCESSES IN MICROORGANISMS
(Avtomaticheskaya Registratsiya Protsessov Rosta i Razmnozheniya Mikroorganizmov). [1964] [20p]
(foreign text included) FASEB Ms no.: S691-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-15408

Trans. of Laboratory of Dele (USSR) 1962, v. 8, no. 12, p. 41-45.

(Biological Sciences--Microbiology, TT, v. 12, no. 3)

TT-64-15408

- I. Gol'dfarb, M. L.
- II. Gol'dfarb, D. M.
- III. Prozorovskii, S. V.
- IV. Sobolev, V. M.
- V. FASEB-S-691-3
- VI. Federation of American Societies for Experimental Biology, Washington, D. C.
- VII. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

TELEVISION MICROSCOPY IN BIOLOGY AND MEDICINE,
BY M. P. ZYKOV, L. G. BAKINOVA, 5 PP.

RUSSIAN, PER, LABORATORNOYE DELO, NO 1,
1963, PP 3-5.

JPRXS 18299

SCI - BIOL-MED SCI

APR 63

225,748

S-312/63

Average Diameter of Erythrocytes During Chronic
Action of Small Doses of Ionizing Radiation on
the Human Organism, by Ye. D. Gol'dberg, (~~SP-2578~~)
4pp.

RUSSIAN, per, Laboratornoye Delo, No 2, 1963,
pp 9-11.

JPRS 18938

Sci - Biol & Med Sci

FTO - TT-63-784

Mar 63

The Relationship of Blood Enzyme Activity to
Indices of the Color Precipitation Reactions in
the Urine, by V. K. Golshmid. 8 pp.
RUSSIAN, per, Laboratornoe Delo, Vol 8, [i.e. 9],
No 1, 1963, pp 33-34.
SLA TT-64-19207

Sci/B&M
Jul 66

305,913

Dry Medium for the Diagnosis of Food Poisoning
Caused by Clostridium Botulinum and Clostridium
Perfringens, by L. G. Ivanova, et al.
RUSSIAN, per, Lab. Delo, Vol 8, No 4, 1963,
pp 33-36.
HEW NIH 6-69-66 (On Loan)

Sci/B&M
Jan 67

317,999

Air Po. 200

R-8161-D

3 April 67

Comparison of the Results of the Quantitative Determination of Carboxyhemoglobin in the Blood of Gasometric Photo and Spectrophotometric Methods

By: Dalsenko, I. I.

From: Lab Delo 9:8-15 May 1963

(8 pp)

Russian - est fo r wds:

Please translate and type 1 original copy and 1 carbon copy. Document can be cut.

Dudchik, G. Kh.
A SIMPLE APPARATUS FOR DETERMINATION OF
SMALL AMOUNTS OF AMMONIA, [1963] [8p]
10 refs
Order from OTS, SLA, or ETC \$1.10 TT-63-20501

Trans. of Laboratornoe Delo (USSR) 1963, v. 9,
no. 6, p. 61-63.

DESCRIPTORS: *Ammonia, Chemical analysis,
*Laboratory equipment, Biochemistry, Medical
research, Public health.

(Biological Sciences--Biochemistry, TT, v. 11, no. 2)

TT-63-20501

I. Dudchik, G. Kh.

Office of Technical Services

Gol'dberg, E. D., Golosov, O. S., Popandopulo,
S. I., and Teterina, V. I.
HEMATOLOGICAL INDICES OF THE HEALTHY
HUMAN SUBJECT. [1963] [6p] 9 refs FASEB manuscript
no. S 367-2.

Order from OTS, SLA, or ETC \$1.10 TT-63-24513

Trans. of Laboratornoe Delo (USSR) 1963, v. 8
[i.e. 9] no. 9, p. 3-5.

DESCRIPTORS: *Hematology, Man, *Blood cells,
*Hemoglobin, Standards, Blood counts.

(Biological Sciences--Physiology, TT v. 11, no. 5)

TT-63-24513

- I. Gol'dberg, E. D.
- II. Golosov, O. S.
- III. Popandopulo, S. I.
- IV. Teterina, V. I.
- V. FASEB-S-367-2
- VI. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- VII. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Geller, B. S. and Il'yashenko, M. A.
DETERMINATION OF THE INCIDENCE OF SPUTUM-
POSITIVE CARRIERS WITH CLOSED FORMS OF
TUBERCULOSIS BY THE MICROCULTURE METHOD.
[1963] [7p] 7 refs

FASEB manuscript no. S 369-2.

Order from OTS, SLA, or ETC \$1.10 TT-63-24514

Trans. of Laboratornoye Delo (USSR) 1963, v. 8 [i.e. 9]
no. 9, p. 20-22. (Abstract available)

DESCRIPTORS: Diagnosis, *Tuberculosis, *Saliva,
*Disease carriers, Culture media, Identification,
Mycobacterium tuberculosis, Diagnostic agents,
*Histological techniques.

The method of microcultivation of *M. tuberculosis* gives
a higher percentage of positive findings of tubercle
bacilli than the bacterioscopic methods of investigation
(Biological Sciences--Microbiology, TT, v. 11, no. 4)
(over)

TT-63-24514

- I. Title: Microcultures
- I. Geller, B. S.
- II. Il'yashenko, M. A.
- III. FASEB-S-369-2
- IV. Federation of American
Societies for
Experimental Biology,
Washington, D. C.

Office of Technical Services

Methods of Obtaining Hydroxyproline and Proline in
Biological Liquids, by I.I. Piliv. A.A. Titaev.

RUSSIAN, per Lab. Delo, No. 9, 1963, pp 22-3

GB 552/254

Sci -

Sep 67

339-846

Kupershtein, A. P. and Roomere, P. A.
**SEPARATE DETERMINATION OF THE BILIRUBIN
FRACTIONS IN EPIDEMIC HEPATITIS IN CHILDREN.**
[1963] [12p] [3 refs FASEB manuscript no. S 371-2.
Order from OTS, SLA, or ETC \$1.60 TT-63-24515

Trans. of Laboratories Data (USSR) 1963, v. 8 [i.e. 9]
no. 9, p. 29-34. (Abstract available)

DESCRIPTORS: *Hepatitis, *Liver viruses, Bile
pigments, *Bilirubin, *Children, Diagnosis, Biliary
system, Diagnostic agents, Obstruction (Physiology)

A modification of Jendranik's method of determination
of bilirubin fractions is suggested which allows a much
smaller volume of serum to be used and greatly
simplifies the investigation, especially if carried out on
a large scale. The separate determination of the
bilirubin fractions gives added information regarding
(Biological Sciences--Pathology, TT, v. 11, no. 4)
(over)

TT-63-24515

- I. Kupershtein, A. P.
- II. Roomere, P. A.
- III. FASEB-S-371-2
- IV. Federation of American
Societies for
Experimental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Osipov, L. N.

SEPARATE DETERMINATION OF THE DIRECT AND
INDIRECT BILIRUBIN IN INFECTIOUS HEPATITIS
AND OTHER DISEASES. [1963] [10p] 11 refs FASEB
manuscript no. S 372-2.

Order from OTS, SLA, or ETC \$1.10 TT-63-24516

Trans. of Laboratornoe Delo (USSR) 1963, v. 8, [i.e. 8]
no. 9, p. 34-39. (Abstract available)

DESCRIPTORS: *Hepatitis, *Liver viruses, Bile
pigments, *Bilirubin, Diagnosis, Diagnostic agents,
Biliary system.

The increase in the bilirubin concentration in infectious
hepatitis is mainly due to the direct fraction. The
increase in the concentration of the indirect fraction is
evidence of the severity of the liver damage, and con-
(Biological Sciences--Pathology, TT, v. 11, no. 4)
(over)

TT-63-24516

- I. Osipov, L. N.
- II. FASEB-S-372-2
- III. Federation of American
Societies for
Experimental Biology.
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Berezovskii, B. S.
SUPPLEMENT TO THE PROCEDURE FOR THE
COLOR PRECIPITATION REACTION IN URINE.
[1963] [3p] FASEB manuscript no. S 329-3.
Order from CTS, SIA, or ETC \$1.10 TT-63-24507

Trans. of Laboratornoe Delo (USSR) 1963, v. 8
[i.e. 9] no. 1, p. 35.

DESCRIPTORS: *Urine, *Diagnosis, Colors, Chemical
precipitation.

(Biological Sciences--Pathology, TT, v. 11, no. 5)

TT-63-24507

- I. Berezovskii, B. S.
- II. FASEB-S-329-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Khazanov, M. Kh.

CONDUCT OF THE DIPHENYLAMINE TEST. [1963]
[11p] 4 refs FASEB manuscript no. S 374-2
Order from OTS, SLA, or ETC \$1.60 TT-63-24517

Trans. of Laboratornoe Delo (USSR) 1963, v. 8 [i.e. 9]
no. 9, p. 44-48. (Abstract available)

DESCRIPTORS: Amines, Phenol radicals, Diagnosis,
*Rheumatic diseases, Inflammation, *Biochemical
tests, Medical examination.

It was found that, by comparison with (Standard Sub-
strate) (SS) glucose is much more sensitive to changes in
the concentration of sulfuric and acetic acids and in the
time and temperature of heating the samples. For
example, an increase of 10% in the concentration of the
sulfuric acid in solution B causes an increase of 20-30%
in the optical density of the glucose, and replacement of
(Biological Sciences--Pathology, TT, v. 11, no. 5)
(over)

TT-63-24517

1. Title: Diphenylamine test
1. Khazanov, M. Kh.
- II. FASEB-S-374-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Report 1. Use of the Precipitation
Reaction in Agar for diagnosis, by
Dr. I. Vasaria.
MRS. M. per. Lab Belo, No 9, 1953,
pp 33-35.
File 4-7-55

283,744

4-1-55
Lab 65

Mathematical Methods of Interpreting and Evaluating the Proteinogram and Their Practical Significance, by B. G. Kaplan and V. Ye. Gurvich, 8 pp.
RUSSIAN, per, Laboratornoye Delo, No. 11, 1963, pp. 8-12.
JPRS 41427

USSR
Sci-Math Sci
July 67

329,758

Safety in Laboratory Use of Radioactive Substances,
by I. A. Reformat'skiy, 37 pp.
RUSSIAN, bk. Laboratorii dlya Rabot s Radioaktivnymi
Veshchestvami, Moscow, 1963.
JPRS 25963

Sci - B & M
Aug 64

265,567

S-794/64

Chapter VI. Sanitary-Hygienic Requirements
During Work With Radiactive Substances, by
I. A. Reformatskiy. (SF-3293)

RUSSIAN, bk, Laboratorii Dlya Rabot s Radioaktivnymi
Veshchestvami, 1963, pp 71-88.

*JPRS

Sci - Biol & Med Sci
Jul 64

S-794/64

Appendix 1. Effect of Radiation on the Organism
and Dosimetric Units, by I. A. Reformatskiy.
(SF-3293)

RUSSIAN, bk. Laboratorii Dlya Rabot s Radioaktivnymi
Veshchestvami, 1963, pp 110-118.

*JPRS

Sci - Biol & Med Sci
Jul 64

S-794/64

Table of Contents. (SF-3293)

RUSSIAN, bk, Laboratorii Dlya Rabot s Radioaktivnymi
Veshchestvami, 1963, pp 127-128.

*JPRS

Sci - Biol & Med Sci
Jul 64

Laboratory Diagnosis of Cancer of the
Stomach, by A. T. Althausen, Rep.
RUSSIAN, per, Laboratornaya Praktika,
Vol 15, No 5, 1940, pp 1-9.
PTS TT-65-60102

333, 611

Sci
Jul 67

Laboratory Application of the RNP Methods for
Interpretation of Materials in Connection With
Deep Seismic Soundings, by B. S. Vol'vovskiy,
I. S. Vol'vovskiy, et al.
RUSSIAN, ~~Report~~ Laboratornoe Primenenie
Metoda RNP Dlya Interpretatsii Materialov Glub-
innogo Seismicheskogo Zondirovaniya, Moscow,
1960, pp 8-13.
ACIC

Sci⁴ Earth Sci & Astron
April 64

255,685

On the Rate of Levelling off of the Temperature
of Charged Particles in a Plasma, by R. R.
Ramazashvili, ~~XXXXXX~~ A. A. Rukhadze, et al.

RUSSIAN, ~~XXX~~ per, Laboratoriya Uskoritclei,
Fiz Institut imeni P. N. Lebedev, M Akad Nauk
SSSR, 1962.

*AEE

Sci Phys
June 63

✓
KP-3 Laboratory Type Conical Plastometer, 1 pp.

UNCL
RUSSIAN, pamphlet, Laboratornyy Konicheskiy
Plastometr KP-3; Ministry of Electric Power Stations
USSR, Moscow, 1956, 2 pp. CIA 644542

ATIC F-TS-9867/III

Sci - Engr

Apr 59

Telecom IC 41603

(FDD 17053)

Laboratory and Ophthalmological Equipment, 98 pp

RUSSIAN, catalog. Laboratornyye i. Oftalmologicheskiye
Pribory, Moscow, pp 2-72.

CIA/FDD/U-5746

USSR
Sci - Engineering

APR 54 CTS

12.499

(DC-4372)

Development of the Paint and Lacquer Industry in
the Seven-Year Plan, by N. S. Zevin, 7 pp.

RUSSIAN, per, *Lakokrasochnyye Materialy i Ikh
Primeneniye*, No 1, 1960, pp 3-5.

JPRS 6035

Sci - Misc

Oct 60

128,052